



KenGen

KENYA ELECTRICITY GENERATING COMPANY PLC

RFx: 5000010027

KGN-GDD-063-2022

TENDER FOR SUPPLY OF COOLING TOWER SPARES FOR EBURRU POWER STATION.

(Citizen Contractors)

30th May, 2022

CLARIFICATION NO.1

In accordance with the “Tender for Supply of Cooling Tower Spares for Eburru Power Station.” KenGen hereby issues **Clarification No.1**;

No.	BIDDERS CLARIFICATION	KENGEN'S RESPONSE
1	Please share the PHOTO of the name of the items requested in the bid.	Refer to the photos and additional uploaded on the website
2	AIR-VOLUME: in your document it is stated CFM and m ³ /MIN, but they cannot select any fan with such parameters, they have foreseen the air volume in m ³ /sec; Please advise.	<ul style="list-style-type: none">✓ Fan type is adjustable Pitch✓ Manufacturer is HUDSON (Model No. APT-20K-6)✓ FAN diameter is 20 ft or 6.1M✓ Blades/FAN are SIX (6)✓ Blade material is FRP with SS 316L Leading edge re-enforcement.✓ FAN Speed (RPM) is 195.8✓ CFM is simply Cubic Feet per minute or in SI units, this can be converted to M³/Min or M³/Sec. FAN at design conditions (CFM) is 12,350 M ³ /Min
3	ABSORBED POWER: Their fan absorbs 121.9 kW but, in your request, it is mentioned a 98 KW gear reducer and a 37 kW motor, is these correct? Please advise.	<ul style="list-style-type: none">✓ Please note that the correct motor power rating is 50 Horsepower or 37 KW.✓ The Gear reducer AGMA Mechanical Horsepower Rating is 132 HP or 98.43 KW (OEM is AMARILLO)✓ Reduction gear ratio is 7.56, Reversing✓ Drive shaft is Composite Fiber material, rated at 93.21 KW with SS 316 L stainless steel material (ADDAX). See attachments provided.

4	Provide Full model No. for Item No.3- Gear Reducer, AMARILLO	<ul style="list-style-type: none"> ✓ AMARILLO RIGHT ANGLE FAN DRIVE. ✓ OEM is AMARILLO GEAR COMPANY ✓ Model No. 175, Gear ratio 7.5, Single reduction. ✓ Rotation CW-CW; Weight 825 Lbs ✓ Horsepower 80 at 1750 Input Speed ✓ Service factor 2.0 and Oil Capacity 5.5 GALLONS or 21 Litres. ✓ See attachment.
5	Provide the Manufacturer and Model No. for Item No.4-Complete Cooling tower Fan Hub	<ul style="list-style-type: none"> ✓ Manufacturer is HUDSON PRODUCTS CORPORATION ✓ No. of Blades is 6/Hub or Cell. ✓ FAN data Model No. APT-20K-6 ✓ Hub material TRIPLE EPOXY COATED ✓ Fiberglass re-enforced vinyl ester ✓ When quoting from OEM the Fan hub, use the Specification for the FAN Blades which is APT-20K-6(FAN model is adjustable Pitch, Fan diameter and Blade types, No. of Blades-6.

ACKNOWLEDGEMENT OF CLARIFICATION No.1

We, the undersigned hereby certify that the clarification is an integral part of the document and the alterations set out in the clarification have been incorporated in the tender proposal.

Signed.....

Tenderer.....

Date